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IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A transmission ~~having~~ for
transmitting a force comprising:

a first rotation shaft coaxially fixed to a first turning
transmission wheel ~~and;~~

a second rotation shaft coaxially fixed to a second
turning transmission wheel ~~which~~ where the first and second
rotation shafts are arranged in parallel with each other;

a support shaft extended between the first turning
transmission wheel and the second turning transmission wheel;

a reciprocal movement mechanism that moves the support
shaft to a first location which is close to the first turning
transmission wheel and the second turning transmission wheel
or a second location which is away from the first turning
transmission wheel and the second turning transmission wheel;

an intermediary transfer wheel formed on the support
shaft rotatably and movably along a longitudinal direction of
the support shaft;

an intermediary transfer wheel feeding device that drives
the intermediary transfer wheel, the intermediary transfer
wheel feeding device comprising a moving arm, a drive
mechanism that drives the moving arm in the longitudinal
direction along the support shaft, and a feeding member
provided at an end of the moving arm that moves the

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intermediary transfer wheel in the longitudinal direction along the support shaft; and

a control unit for controlling operations of the reciprocal movement mechanism and the intermediary transfer wheel feeding mechanism;

wherein the first rotation shaft is rotated by a power device, and a rotational force of which can be transmitted to the second rotation shaft with variable speed, ~~the transmission characterized in that;~~

wherein each of the first turning transmission wheel and the second turning transmission wheel is formed in a shape of a right circular cone or a right circular cone trapezoid and has an identical vertex angle, and a tapered side peripheral surface of each of the first turning transmission wheel and the second turning transmission wheel faces each other with a constant distance;

the support shaft is arranged between the side peripheral surface of the first turning transmission wheel and the side peripheral surface of the second turning transmission wheel such that it extends in the longitudinal direction along the side peripheral surface of the first turning transmission wheel and the side peripheral surface of the second turning transmission wheel; and

wherein when the support shaft is in the first location, the intermediary transfer wheel contacts with each of the side

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peripheral surface of the first turning transmission wheel and the side peripheral surface of the second turning transmission wheel and is moveable in the longitudinal direction along the support shaft while maintaining the contact, and when the support shaft is in the second location, the intermediary transfer wheel separates from each of the side peripheral surface of the first turning transmission wheel and the side peripheral surface of the second turning transmission wheel.

2. (currently amended) ~~A transmission characterized in that:~~
as defined in Claim 1, wherein the control unit receives brake information indicating control condition of a brake, accelerator information indicating acceleration condition by an accelerator, power information indicating the operational condition of a power system, and load information indicating a degree of load, thereby controlling operations of the reciprocal movement mechanism and the intermediary transfer wheel feeding mechanism based on the received information.

~~the intermediary transfer wheel is movable in the longitudinal direction along the support shaft by means of an intermediary transfer wheel feeding device;~~

~~the intermediary transfer wheel feeding device has a moving arm, a drive mechanism that drives the moving arm in the longitudinal direction along the support shaft, and a feeding member provided at an end of the moving arm that moves~~

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~~the intermediary transfer wheel in the longitudinal direction
along the support shaft.~~

3. (currently amended) A transmission ~~characterized in that:~~
as defined in Claim 1, wherein the feeding member has a front
feeding piece which faces a front surface of the intermediary
transfer wheel and a rear feeding piece which faces a rear surface
of the intermediary transfer wheel.

~~the support shaft is moveable by a reciprocal movement
mechanism to locations close to or away from the first turning
transmission wheel and the second turning transmission wheel;
the intermediary transfer wheel contacts with the first
turning transmission wheel and the second turning transmission
wheel when the support shaft is located at the close location,
and the intermediary transfer wheel is separated from the
first turning transmission wheel and the second turning
transmission wheel when the support shaft is located at the
away location.~~